

**CALIFORNIA INSTITUTE OF TECHNOLOGY
JET PROPULSION LABORATORY
SPECIAL CONDITIONS - TIME-AND-MATERIAL CONSTRUCTION CONTRACT
FOR PERFORMANCE AT THE JPL TABLE MOUNTAIN FACILITY**

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SC-1. SECURITY AND SAFETY

- (a) General. The following regulations and procedures are for the protection and information of the Contractor, subcontractors and their employees performing construction work for JPL, and it is mandatory that the procedures and regulations be followed.
- (b) Union Representatives. All Contractors and subcontractors working at the facility who are visited by labor or union representatives are reminded that such persons shall be directed to the JPL Site Manager, who will ascertain the purpose of the visit, the name of the individual, union represented, whom he/she wishes to see, and the location where the work is being performed. The Site Manager will, in turn, advise the designated JPL Project Technical Representative. A JPL escort for the union representative will be provided during the period of the visit, and access will be confined to that area necessary to service union members of the particular Contractor stated in the visitation request.
- (c) "Off-Limits" Areas. All buildings and work areas other than those specifically assigned to the Contractor shall be considered "off-limits" to all Contractor personnel.
- (d) Fire Protection.
- (1) In case of fire at a Contractor's facility, the Contractor shall immediately call the Site Manager's office (dial 249-3650 or 3551 from commercial telephones, or Extension 21 if on site). If no answer is received, the Contractor shall call the Big Pines Ranger Office (dial 3504).
 - (2) The Contractor shall clean the site daily of all combustible materials.
 - (3) It shall be the responsibility of the Contractor to provide adequate equipment and supplies for protection against fire during the construction period.
 - (4) Smoking shall be permitted only in accordance with U.S. Forest Service Regulations in any area under their jurisdiction.
 - (5) All diesel or gasoline engines, and all flues used in the Contractor's operations, shall be equipped with spark arresters which meet Forest Service standards.
 - (6) The Contractor shall cooperate with the District Ranger in preparation of a fire plan by furnishing necessary information on manpower, equipment, and organization necessary to implement these Special Conditions in providing the necessary fire prevention and control.
 - (7) Contractors and subcontractors who in the performance of their contracts have a need for welding, cutting torch operation, tar kettle operation, or burning of any type, shall, prior to starting the operation, notify JPL of the time and place, and shall provide a constant "Fire Watch."
 - (A) The "Fire Watch" shall consist of one reliable, trained Contractor's employee who is thoroughly capable in controlling and extinguishing fires, at each location.
 - (B) The "Fire Watch" person shall be armed with a 2½ -gallon soda-acid fire extinguisher with a UL rating of 2A.
 - (C) No tar kettle may be operated unless it has an operational heat indicator or gauge. The tar kettle must be placed at a safe distance from a hazardous area or other combustible materials.

(e) First Aid. The Contractor shall furnish and maintain adequate first aid facilities and procedures for construction personnel.

(f) Vehicles.

- (1) **Parking**. Contractor's and workers' vehicles must be parked only in areas designated by JPL. All other areas and roadways must be kept clear at all times for normal operations.
- (2) **Wheel Blocks for Vehicles**. All Contractor vehicles except passenger cars and station wagons shall be provided with wheel blocks to prevent unattended vehicles from rolling. It shall be the Contractor's responsibility to instruct all of its employees and subcontractors of this requirement.
- (3) **Mechanical Equipment Back-Up Alarms**. Haulage equipment, including trucks with body capacities of 2½ cubic yards, or more, used to haul dirt, rock, concrete, or other construction material, and self-propelled construction equipment such as graders, which are operated on the project, whether moving alone or in combination, shall be equipped with an independent signal alarm which will sound automatically when the equipment moves in reverse. The alarm may be continuous or intermittent and shall be audible for a distance of 200 feet, irrespective of the conditions and circumstances under which the equipment is being operated. Alarms will operate upon initial backward movement, and if intermittent, shall sound at intervals not to exceed three seconds during the entire period the equipment is traveling in reverse. Compliance with these provisions by subcontractors shall be the responsibility of the Contractor.

(g) Health and Safety. The following safety and health standards, specifications, issuances, and reporting requirements are prescribed pursuant to paragraph (c) of the General Provision of this Contract entitled "Safety and Health."

- (1) **General Standards and Specifications**. The Contractor shall comply with applicable provisions of the Occupational Safety and Health Standards of the Occupational Safety and Health Act of 1970, Rules and Regulations of the Department of Labor issued pursuant thereto and regulations of states provided for under the act which are in effect on the date of this Contract.
- (2) **Environmental Matters**. Environmental controls shall be in accordance with applicable NASA and other Federal, State and local regulatory requirements and in accordance with applicable Executive Orders of the President. In addition, the following environmental controls shall apply to asbestos abatement or asbestos work:

(A) **Asbestos Work Experience Documentation**. The Contractor or specialty subcontractor for performance of any asbestos abatement work shall be registered as an asbestos abatement Contractor with the California Division of Occupational Safety and Health. The Contractor/subcontractor shall be prepared to submit documentation as required by JPL to prove the following:

- (i) Minimum of one year experience as a contractor in this specialized field.
- (ii) Successful completion of a minimum of three asbestos abatement projects of similar size and scope or larger. This data shall include the following:
 - a. Name of contracting agency or firm.
 - b. Location of work site.
 - c. Name of Contracting Representative.
 - d. Description of work.
 - e. Results of air monitoring before, during and after work.
- (iii) A record of any citations issued by federal, state, or local regulatory agencies relating to asbestos abatement activity, including projects, dates, and resolutions.
- (iv) Situations in which an asbestos-related contract has been terminated, including projects, dates and reasons for terminations.
- (v) A listing of any asbestos-related legal proceedings/claims in which the Contractor or any employee has participated or is currently involved in, including descriptions of role, issue, and resolution to date.

(B) **Worker Qualifications**. Contractor and subcontractors shall at all times enforce strict discipline and good order among their employees and shall not employ any unfit person or anyone not skilled in work assigned to such person.

- (i) **Worker Training and Medical Qualifications**. All asbestos workers shall be trained and medically certified in accordance with the requirements of General Industry Safety Order 5208.

- (ii) Worker Qualification Form. The Contractor shall be prepared to provide to JPL at least 72 hours prior to beginning of work a list of all qualified asbestos workers to be employed in actual asbestos removal/asbestos work and for each such asbestos worker the Contractor shall have completed form JPL 2887, "Worker Qualification," an attached copy of which forms part of these contract documents.

(h) Hazardous Materials.

(1) General.

- (A) The California Chemical Hazard Communication Regulation is designed to ensure that hazardous substances produced by manufacturers are evaluated and the information concerning these hazards is transmitted to all affected employers and employees.
- (B) Presented in Section 5194 (e)(1)(c) of the Hazard Communication Standard are specific requirements related to Contractor employees. Contractor personnel must be informed by a JPL representative of hazardous substances to which their employees may be exposed while performing their work at JPL and the appropriate protective measures. Contractors are also required to provide a list of chemicals being used on the job site and the complete Material Safety Data Sheet (MSDS) for each chemical. The safe storage, use, application, and complete removal of the products shall be the responsibility of the Contractor.
- (C) Prior to a Contractor performing work at JPL, a pre-construction safety meeting is required to discuss all aspects of safety. The Facilities Section personnel are responsible for scheduling and providing written notification to the Occupational Safety Office prior to the initiation of Contractor activities. A representative of the Safety Office will be responsible for addressing specific safety-related concerns.

(2) JPL will inform the Contractor of:

- (A) Applicable regulatory requirements which the Contractor will be required to follow while performing work.
- (B) Any hazardous agents that the Contractor and their employees may be exposed to while working at specific job sites at JPL.
- (C) Specific JPL rules, regulations, policies, and procedures which must be complied with while working at JPL.

(3) Contractors are:

- (A) Responsible for providing protective equipment which will be required during the operation.
 - (B) Required to submit a list of all chemicals and complete MSDSs for all products used during the course of work at JPL. The safe storage, use, application, and removal of the products shall be the responsibility of the Contractor. If special storage is required, notification to the Safety Office prior to delivery of the material to the job site is required.
 - (C) Responsible for discussing Safety and Health Special Conditions and General Provisions with all employees performing work at JPL.
 - (D) Contractor shall immediately notify and promptly report to JPL any accident or incident or exposure resulting in fatality, disabling occupational injury or occupational disease, any chemical release or potential release which threatens or impacts human health or the environment.
- (4)** Contractor acknowledges receipt of the attached Asbestos Notification, form JPL 2895, identifying JPL buildings containing asbestos and agrees to distribute the Notice to all its employees prior to their commencing work in such buildings. Contractor agrees to coordinate with the JPL Occupational Safety Office for special asbestos handling instructions to be given to all Contractor's employees prior to their commencing work, if any, which could disturb asbestos in JPL-controlled buildings.

SC-2. NIGHT OPERATIONS

Unless otherwise provided in the Contract, no jobsite work shall be performed during any night without prior notification to JPL, which notification shall be not less than 24 hours, for Monday through Friday. Normal Table Mountain Facility duty hours are 7:30 a.m. to 4:00 p.m.